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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 7

**Complete if Known**

Application Number	10/623,839
Filing Date	July 16, 2003
First Named Inventor	Ramanujan Valmiki
Group Art Unit	2628
Examiner Name	Sajous, Wesner
Attorney Docket Number	17413US02

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W.S./	A1	4,020,332	04-26-1977	Crochère et al.	
	A2	4,367,466	01-04-1983	Takeda et al.	
	A3	4,532,547	07-30-1985	Bennett	
	A4	4,679,040	07-07-1987	Yan	
	A5	4,688,033	08-18-1987	Carlini et al.	
	A6	4,954,970	09-04-1990	Walker et al.	
	A7	4,959,718	09-25-1990	Bennett	
	A8	4,967,392	10-30-1990	Werner et al.	
	A9	5,043,714	08-27-1991	Perlman	
	A10	5,097,257	03-17-1992	Clough et al.	
	A11	5,142,273	08-25-1992	Wobermin	
	A12	5,155,816	10-13-1992	Kohn	
	A13	5,258,747	11-02-1993	Oda et al.	
	A14	5,262,854	11-16-1993	Ng	
	A15	5,307,177	04-26-1994	Shibata et al.	
	A16	5,384,912	01-24-1995	Ogrinc et al.	
	A17	5,396,567	03-07-1995	Jass	
	A18	5,398,211	03-14-1995	Willenz et al.	
	A19	5,404,447	04-04-1995	Drako et al.	
	A20	5,418,535	05-23-1995	Masucci et al.	
	A21	5,432,900	07-11-1995	Rhodes et al.	
	A22	5,434,683	07-18-1995	Sekine et al.	
	A23	5,434,957	07-18-1995	Moller	
	A24	5,467,144	11-14-1995	Saeger et al.	
	A25	5,471,411	11-28-1995	Adams et al.	
	A26	5,515,077	05-07-1996	Tateyama	
	A27	5,526,054	06-11-1996	Greenfield et al.	
	A28	5,533,182	07-02-1996	Bates et al.	
	A29	5,546,103	08-13-1996	Rhodes et al.	
	A30	5,550,594	08-27-1996	Cooper et al.	
	A31	5,570,296	10-29-1996	Heyl et al.	
	A32	5,577,187	11-19-1996	Mariani	
	A33	5,600,364	02-04-1997	Hendricks et al.	
	A34	5,604,514	02-18-1997	Hancock	
	A35	5,614,952	03-25-1997	Boyce et al.	
	A36	5,615,376	03-25-1997	Ranganathan	
W.S./	A37	5,619,337	04-08-1997	Naimpally	
	A38	5,621,869	04-15-1997	Drews	

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/Wesner Sajous/

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Sheet 2 Of 7

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/W.S./	A39	5,621,906	04-15-1997	O'Neill et al.	
	A40	5,625,611	04-29-1997	Yokota et al.	
	A41	5,625,764	04-29-1997	Tsujimoto et al.	
	A42	5,635,985	06-03-1997	Boyce et al.	
	A43	5,638,501	06-10-1997	Gough et al.	
	A44	5,640,543	06-17-1997	Farrell et al.	
	A45	5,664,162	09-02-1997	Dye	
	A46	5,694,143	12-02-1997	Fielder et al.	
	A47	5,696,527	12-09-1997	King et al.	
	A48	5,706,478	01-06-1998	Dye	
	A49	5,708,764	01-13-1998	Borrel et al.	
	A50	5,719,593	02-17-1998	De Lange	
	A51	5,727,084	03-10-1998	Pan et al.	
	A52	5,742,779	04-21-1998	Steele et al.	
	A53	5,745,095	04-28-1998	Parchem et al.	
	A54	5,748,983	05-05-1998	Gulick et al.	
	A55	5,751,979	05-12-1998	McCrary	
	A56	5,754,185	05-19-1998	Hsao et al.	
	A57	5,757,377	05-26-1998	Bel-Loh Lee et al.	
	A58	5,758,177	05-26-1998	Gulick et al.	
	A59	5,761,516	06-02-1998	Rostoker et al.	
	A60	5,764,238	06-09-1998	Lum et al.	
	A61	5,790,136	08-04-1998	Hoffert et al.	
	A62	5,790,795	08-04-1998	Hough	
	A63	5,790,842	08-04-1998	Charles et al.	
	A64	5,793,445	08-11-1998	Lum et al.	
	A65	5,815,137	09-29-1998	Weatherford et al.	
	A66	5,828,383	10-27-1998	May et al.	
	A67	5,831,615	11-03-1998	Drews et al.	
	A68	5,844,608	12-01-1998	Yu et al.	
	A69	5,864,345	01-26-1999	Wickstrom et al.	
	A70	5,867,166	02-02-1999	Myhrvold et al.	
	A71	5,870,622	02-09-1999	Gulick et al.	
	A72	5,874,967	02-23-1999	West et al.	
	A73	5,884,300	04-13-1999	Takizawa	
	A74	5,914,728	06-22-1999	Yamagishi et al.	
	A75	5,920,572	07-06-1999	Washington et al.	
	A76	5,920,682	07-06-1999	Shu et al.	
	A77	5,923,316	07-13-1999	Kitamura et al.	
	A78	5,923,385	07-13-1999	Mills et al.	
	A79	5,926,647	07-20-1999	Adams et al.	
	A80	5,940,089	08-17-1999	Dilliplane et al.	
/W.S./	A81	5,941,968	08-24-1999	Mergard et al.	

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				First Named Inventor	Ramanujan Valmiki
				Group Art Unit	2628
				Examiner Name	Sajous, Wesner
				Attorney Docket Number	17413US02
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W.S./	A82	5,949,432	09-07-1999	Gough et al.	
	A83	5,949,439	09-07-1999	Ben-Yoseph et al.	
	A84	5,951,644	09-14-1999	Lambrech et al.	
	A85	5,956,041	09-21-1999	Koyamada et al.	
	A86	5,959,626	09-28-1999	Garrison et al.	
	A87	5,959,637	09-28-1999	Mills et al.	
	A88	5,960,464	09-28-1999	Lam	
	A89	5,963,201	10-05-1999	McGreggor et al.	
	A90	5,963,262	10-05-1999	Ke et al.	
	A91	5,977,933	11-02-1999	Wicher et al.	
	A92	5,978,509	11-02-1999	Nachtergaele et al.	
	A93	5,982,381	11-09-1999	Joshi et al.	
	A94	5,982,459	11-09-1999	Fandrianto et al.	
	A95	5,987,555	11-16-1999	Alzien et al.	
	A96	6,002,411	12-14-1999	Dye	
	A97	6,002,882	12-14-1999	Garde	
	A98	6,005,546	12-21-1999	Keene	
	A99	6,006,303	12-21-1999	Barnaby et al.	
	A100	6,018,803	01-25-2000	Kardach	
	A101	6,023,302	02-08-2000	MacInnis et al.	
	A102	6,023,738	02-08-2000	Priem et al.	
	A103	6,028,583	02-22-2000	Hamburg	
	A104	6,038,031	03-14-2000	Murphy	
	A105	6,046,740	04-04-2000	LaRoche et al.	
	A106	6,064,676	05-16-2000	Slattery et al.	
	A107	6,078,305	06-20-2000	Mizutani	
	A108	6,081,854	06-27-2000	Priem et al.	
	A109	6,088,046	07-11-2000	Larson et al.	
	A110	6,088,355	07-11-2000	Mills et al.	
	A111	6,092,124	07-18-2000	Priem et al.	
	A112	6,094,226	07-25-2000	Ke et al.	
	A113	6,098,046	08-01-2000	Cooper et al.	
	A114	6,100,826	08-08-2000	Jeon et al.	
	A115	6,100,899	08-08-2000	Ameline et al.	
	A116	6,105,048	08-15-2000	He	
	A117	6,108,014	08-22-2000	Dye	
	A118	6,111,896	08-29-2000	Slattery et al.	
	A119	6,121,978	09-19-2000	Miler	
	A120	6,124,865	09-26-2000	Meinert et al.	
	A121	6,125,410	09-26-2000	Salbaum et al.	
	A122	6,133,901	10-17-2000	Law	
W.S./	A123	6,151,030	11-21-2000	DeLeeuw et al.	
	A124	6,151,074	11-21-2000	Werner	

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W.S./	A125	6,157,415	12-05-2000	Glen	
	A126	6,157,978	12-05-2000	Ng et al.	
	A127	6,160,989	12-12-2000	Hendricks et al.	
	A128	6,167,498	12-26-2000	Larson et al.	
	A129	6,169,843	01-02-2001	Lenihan et al.	
	A130	6,184,908	02-06-2001	Chan et al.	
	A131	6,189,084	02-13-2001	MacInnis et al.	
	A132	6,199,131	03-06-2001	Melo et al.	
	A133	6,204,859	03-20-2001	Jouppi et al.	
	A134	6,205,260	03-20-2001	Crinon et al.	
	A135	6,208,354	03-27-2001	Porter	
	A136	6,212,590	04-03-2001	Melo et al.	
	A137	6,229,550	05-08-2001	Gloudemans et al.	
	A138	6,239,810	05-29-2001	Van Hook et al.	
	A139	6,252,608	06-26-2001	Snyder et al.	
	A140	6,283,019	07-17-2001	Ryan	
	A141	6,283,396	07-17-2001	Cottle et al.	
	A142	6,266,072	07-24-2001	Koga et al.	
	A143	6,266,753	07-24-2001	Hicok et al.	
	A144	6,269,107	07-31-2001	Jong	
	A145	6,271,826	08-07-2001	Pol et al.	
	A146	6,311,204	10-30-2001	Mills	
	A147	6,320,619	11-20-2001	Jiang	
	A148	6,326,984	12-04-2001	Chow et al.	
	A149	6,327,000	12-04-2001	Auld et al.	
	A150	6,335,746	01-01-2002	Enokida et al.	
	A151	6,337,703	01-08-2002	Konar et al.	
	A152	6,342,892	01-29-2002	Van Hook et al.	
	A153	6,351,471	02-26-2002	Robinet et al.	
	A154	6,351,474	02-26-2002	Robinet et al.	
	A155	6,362,827	03-26-2002	Ohba	
W.S./	A156	6,380,945	04-30-2002	MacInnis et al.	
	A157	6,411,333	06-25-2002	Auld et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
W.S./	B1	EP 0746118 A2	12-04-1996	Hiratsuka		
W.S./	B2	EP 0 752 695	01-08-1997	O'Sullivan		
W.S./	B3	EP 0840276 A2	05-06-1998	Benbassat		
W.S./	B4	EP 0840277 A2	05-06-1998	Chauvel		

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/W.S./	B5	EP 0 840 505	05-06-1998	Chauvel		
/W.S./	B6	GB 2287627 A	03-01-1995	Wong		
/W.S./	B7	WO 94/10641	05-11-1994	Mical		
/W.S./	B8	WO 00/28518	05-18-2000	MacInnis		

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/W.S./	C1	Plaintiff and Counterdefendant Qualcomm Incorporated's Preliminary Invalidity Contentions For U.S. Patent 6,501,480 and 6,570,579
	C2	Thomas Porter & Tom Duff, "Compositing Digital Images", Computer Graphics, Vol. 18, No. 3, July 1984, pp. 253-259
	C3	Akeley, K. & Jermoluk T., "High-Performance Polygon Rendering," 22 Computer Graphics No. 4 (ACM August 1988).
	C4	Apgar, B., et al., "A Display System for the Stellar Graphics Superconductor Model GS1000," 22 Computer Graphics No. 4 (ACM August 1988).
	C5	Asal, M.D., et al., "Novel Architecture for a High Performance Full Custom Graphics Processor," (IEEE 1989).
	C6	Awaga, M., et al., "3D Graphics Processor Chip Set," (IEEE December 1995).
	C7	Cox, M. & Bhandari, N., "Architectural Implications of Hardware-Accelerated Bucket Rendering on the PC," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).
	C8	Cyrix Corporation Manual, copyrighted 1996, 1997, and all underlying development work.
	C9	Deering, M., et al., "The Triangle Processor and Normal Vector Shader: A VLSI System for High Performance Graphics," 22 Computer Graphics No. 4 (ACM August 1988).
	C10	Donovan, W., et al., "Pixel Processing in a Memory Controller," (IEEE Computer Graphics and Applications 1995).
	C11	Dutton, T., "The Design of the DEC 3000 Model 500 AXP Workstation," (IEEE 1993).
	C12	Foley, James, D., et al., "Introduction to Computer Graphics," (Addison-Wesley Publishing Co. 1994) ("Introduction to Computer Graphics").
	C13	Galbi, D., et al., "An MPEG-1 Audio/Video Decoder with Run-Length Compressed Antialiased Video Overlays," (1995 IEEE International Solid-State Circuits Conference).
	C14	Glaskowsky, Peter, "Cyrix Creates Ultimate CPU for Games," Microprocessor Report, December 8, 1997.
	C15	Glaskowsky, Peter, "Intel Displays 740 Graphics Chip: Auburn Sets New Standard for Quality - But Not Speed," Microprocessor Report No. 2, February 16, 1998.
	C16	Gwennap, L., "Verite: A Programmable 3D Chip: Rendition Uses Internal RISC CPU for Versatility, Performance," 10 Microprocessor Report No. 6, May 6, 1996.
	C17	Hosotani S., et al., "A Display Processor Conforming to all DTV Formats with 188-TAP FIR Filters and 284 Kb FIFO Memories," (IEEE 1997 (Manuscript received June 13, 1997)).
	C18	Knittel, G. & Straber, W., "VIZARD - Visualization Accelerator for Realtime Display," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).
	C19	Lewis, R., et al., "Delivering PCI in HP B-Class and C-Class Workstations: A Case Study in the Challenges of Interfacing with Industry Standards," (Hewlett-Packard Journal May 1998).
/W.S./	C20	Manepally, R. & Sprague, D., "Intel's i750 (R) Video Processor -- The Programmable Solution," (IEEE 1991).
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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
W.S./	C21	McCormack, J., et al., "Neon: A Single-Chip 3D Workstation Graphics Accelerator," (SIGGRAPH Eurograph Workshop Graph Hardware August 31, - Sept. 1, 1998).
	C22	Norrod, F. & Wawrzynak, R., "A Multimedia-Enhanced x88 Processor, Digest of Technical Papers," ISSCC96 (February 9, 1996).
	C23	Oguchi, T., et al., "A Single-Chip Graphic Display Controller," (1981 IEEE International Solid-State Circuits Conference).
	C24	Soferman, Z., et al., "Advanced Graphics Behind Medical Virtual Reality: Evolution of Algorithms, Hardware, and Software Interfaces," 86 Proceedings of the IEEE No. 3 (IEEE March 1998 (Manuscript received July 3, 1997)).
	C25	Scott, N., et al., "An Overview of the VISUALIZE fx Graphics Accelerator Hardware," (Hewlett-Packard Journal May 1998) and all underlying development work ("HP").
	C26	Sumi, M., et al., "A 40-Mpixel/s Bit Block Transfer Graphics Processor," (IEEE 1989).
	C27	Foley, James D., et al.; Computer Graphics: Principles and Practice; publication, 1996, 1990; The Systems Programming Series, 4 pages, Second Edition In C; Addison-Wesley Publishing Company, U.S.A.
	C28	Tobias, R., "The LR33020 GraphX Processor: A Single Chip X-Terminal Controller," (IEEE 1992).
	C29	Watkins, J., et al., "A Memory Controller with an Integrated Graphics Processor (IEEE 1993).
	C30	Yao, Yong, "Samsung Launches Media Processor: MSP is Designed for Microsoft's New 3D-Software Architecture," 10 Microprocessor Report No. 11, August 26, 1996.
	C31	Yao, Yong, "Competition Heats Up in 3D Accelerators: Market Hungers for a Unified Multimedia Platform from Microsoft," 10 Microprocessor Report No. 15, November 18, 1996.
	C32	Yao, Yong, "Chromatic's Mpac 2 Boosts 3D: Mpac/3000 Becomes First Media Processor to Ship in Volume," 10 Microprocessor Report No. 15, November 18, 1996.
	C33	Motorola, Inc. MC92100 "Scorpion" Graphics Display Generator, SDRAM Controller, and Digital Video Encoder, 1997, 6 pages.
	C34	Power TV, Inc., Eagle™ Graphics/Audio Media Compositor Data Sheet, Version 1.7, Feb. 27, 1997, pp. 63.
	C35	Berekovic, M. & Pirsch, P., "Architecture of a Coprocessor Module for Image Compositing," (IEEE 1998).
	C36	Blinn, J., "Compositing, Part I: Theory," (IEEE September 1994).
	C37	Blinn, Jim; Jim Blinn's Corner Dirty Pixels; publication; 1998; pp. 179-190; Chapter Sixteen; Morgan Kaufmann Publishers, Inc.; San Francisco, CA, U.S.A.
	C38	Jaspers, et al., "A Flexible Heterogeneous Video Processor System for Television Applications," (IEEE Sept. 25, 1998).
	C39	Li, R., et al., "A Flexible Display Module for DVD and Set-Top Box Applications," (IEEE Transactions on Consumer Electronics August 1997 (Manuscript received June 13, 1997)).
	C40	Ostermann, J., "Coding of Arbitrarily Shaped Objects with Binary and Greyscale Alpha-Maps: What Can MPEG-4 Do for You?," (Proceedings of the 1998 IEEE International Symposium on Circuits and Systems, May 31-June 3, 1998, Vol. 5).
	C41	Stytz, et al., "Three-Dimensional Medical Imaging: Algorithms and Computer Systems," (ACM Computing Surveys, December 1991).
	C42	Wang, J. & Adelson, E., "Representing Moving Images with Layers," (IEEE Transactions on Image Processing, September 1994).
W.S./	C43	Sun, Hulfang et al., "A New Approach for Memory Efficient ATV Decoding," 1997 IEEE International Conference on Consumer Electronics, pp. 174-175, Los Angeles, 1997.

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				Application Number	10/623,839
				Filing Date	July 16, 2003
				First Named Inventor	Ramanujan Valmiki
				Group Art Unit	2628
				Examiner Name	Sajous, Wesner
				Attorney Docket Number	17413US02
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	C45	Mokry, Robert et al., "Minimal Error Drift in Frequency Scalability for Motion-Compensated DCT Coding," IEEE Transactions on Circuits and Systems for Video Technology, pp. 392-406, vol. 4, No. 4, Aug. 1994.
	C46	Vetro, Anthony et al., "Minium Drift Architectures for 3-Layer Scalable DTV Decoding," IEEE Transactions on Consumer Electronics, pp. 527-536, vol. 44, No. 3, Aug. 1998.
	C47	Lee, Dong-Ho et al., "HDTV Video Decoder Which Can Be Implemented With Low Complexity," IEEE International Conference on Consumer Electronics, pp. 6-7, 1994.
	C48	Sun, Hui-fang, "Hierarchical Decoder for MPEG Compressed Video Data," IEEE Transactions for Consumer Electronics, pp. 559-564, vol. 39, No. 3, Aug. 1993.
W.S./	C49	Yu, Haoping et al., "Block-Based Image Processor for Memory Efficient MPEG Video Decoding," 1999 IEEE International Conference on Consumer Electronics, pp. 114-115, 1999.

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